



DECKFLEX MSP100

PROPERTIES

DeckFlex MSP100 is the highest quality one-component MS Polymer sealant that is free from isocyanate, solvent, acid and toxins. The deck caulking sealant cures and hardens with air humidity, offering excellent long term strength and flexibility. DeckFlex MSP100 is specifically designed for the sealing of timber teak decks, and cork marine decks without forming tunnels and bubbles.

DeckFlex MSP100 has been developed to work elastically with the typical timber deck movements due to climatic changes, and to especially resist the most harmful sun rays (UV-B). When correctly applied, the polymerised product remains unchanged in its colour, adhesion, strength and elongation - even after many years from application.

CHARACTERISTICS

COLOR	Black & non-yellowing white
CONSISTENCY	Stable paste
SPECIFIC GRAVITY	1.31 g/cm ³
HARDNESS SHORE A (14 days 23°C, 55%r.h.)	35
ELONGATION AT BREAK DIN 53504 (14 days 23°C, 55%r.h.)	1050%
MAXIMUM RECOMMENDED DEFORMATION	30%
MODULUS AT 100% ELONG. DIN 53504 (14 days 23°C, 55%u.r.)	Approx 0.75N/mm ²
ELASTIC RECOVERY	> 75%
TENSILE / SHEAR STRENGTH DIN 53504 (14 days 23°C, 55%u.r.)	≥ 0.75 N/mm ²
SKIN FORMATION (23°C, 75% R.H)	35 min.
TACK FREE TIME (23 °C, 55% UR)	30 min.
CURING RATE (23 °C - 55% UR)	3 mm / 24 hours
TEMPERATURE RESISTANCE (Fully Cured)	-40°C to 100°C
APPLICATION TEMPERATURE (Surface)	+5°C to +35°C
CONTAINER SIZES	290mL cartridge, 600mL sausage

PREPARATION OF THE TEAK DECKS

Surfaces of the Teak must be dry, clean and free from dust, oil, and debris. Apply, Fixtech Primer **PR10** with a suitable disposable brush on the bottom and on the sides of each joint. Allow drying from 2 to 20 hours before applying the sealant, any of the Primer getting wet in the first 30minutes from application. In the case of very old, porous timber surfaces, it is advisable to apply a second coat of Primer **PR10** 30mins from the first coat. Also if the Primer has been left exposed for more than 20 hours or the joints have been contaminated, reapply from the beginning steps.

PREPARATION OF STAZO MARINE DECK 2000®

Surfaces of the cork joint must be dry, clean and free from dust, oil and debris. DeckFlex MSP100 can be applied to this product without any primers

BONDBREAKER TAPE INSTALLATION

Bondbreaker Tape is not required in typical new joints when using Fixtech DeckFlex MSP100, as it has been designed to be extremely flexible.

If you wish to continue to apply the bond breaker tape, insert the tape into the base after priming of the joint ensuring the adhesive side of the tape is facing down into the rebate and adhering lightly to the timber base. To assist in laying, sculpt a piece of timber with a radius edge.

APPLICATION OF DECKFLEX MSP100

Cut the nozzle diameter to the width of the joint to be filled, extrude **DeckFlex MSP100** through an appropriate manual FG7 or pneumatic FG8 caulking tool into the joint, taking care to eliminate air and fill all spaces, use a spatula to lightly push the sealant down into the joint leaving at least 1-2mm proud of the timber surface if 5mm deep -and 2-3mm if 10mm deep or greater, or if confident in application just leave proud. Leave the product and protect it from rain and traffic for at least 12 hours

IMPORTANT

The above listed information and prescriptions, corresponding to our knowledge and experience, are to be considered as an indicative advice and should be confirmed each time by practical applications.

DECKFLEX MSP100

TIMBER DECK CAULKING SEALANT



CURING and FINISHING

DeckFlex MSP100 sealant, at 23°C, 55% relative humidity (rh), forms the first 1mm of skin after 35 min and through cures at a rate of 2-3mm every 24 hours, therefore for a 5mm deep joint, it could be ready for sanding after 2-3days. If the joint is deeper then leave it for an extra 24 hours for every 3mm deeper than 5mm deep.

Once fully cured it may be sanded with a random orbital sander to ensure best results without leaving marks. If you need to continue working on the vessel cover the deck are with a protective skin of MDF timber board, or even heavy duty dual core packing cardboard, or radius edged 3mm plywood. It is advisable in any case to verify the total curing of the product before proceeding to further operations.

RE-CAULKING OF JOINTS

Rip out the old material either using a small narrow wood chisel or modified screw driver, and clean the joints to bare timber with your chisel and a small sanding block with square edges.

Inspect the timber to ensure that they are in good condition and prepare and seal the joints as per the before mentioned procedures.

DECK MAINTENANCE (Refer to the Deck Maintenance Certificate and give to the skipper)

We strongly recommended never using harsh cleaning or brightening, one part or two part chemical products, which are commercially available. Do not use products such as clothes washing powders or liquids, or similar harsh products with pH> (greater than) 8, and acids with pH< (less than) 4.

These products contain corrosive and burning ingredients that must not get on your skin, your boats gel coat, timber varnish areas, aluminium, and we strongly recommend they must not get on to your vessels teak deck, including DeckFlex MSP100. These products strip the natural protective teak oils from the timber using strong alkaline cleaners (such as and not limited to sodium hydroxide and caustic soda, ingredients found in bleach and drain cleaning fluid) and are then neutralised (Brightener) with strong acids (such as and not limited to hydrochloric acid, phosphoric acid and oxalic acid found in concrete and brickwork cleaners to dissolve the lime) you can and probably will harm your teak deck and more importantly the deck caulking sealant. Not only this, but these cleaners and brighteners are bad for our waterways and inhabitants.

It is advisable to first clean your teak deck with Fixtech's Teakseal Teak Cleaner which is pH neutral, and always follow the instructions on the bottle. When cleaning your boat or teak decks, the decks must always be saturated with water before any cleaning, and must always be kept wet during any cleaning.



IMPORTANT

The above listed information and prescriptions, corresponding to our knowledge and experience, are to be considered as an indicative advice and should be confirmed each time by practical applications.

DECKFLEX MSP100

TIMBER DECK CAULKING SEALANT

THEORETICAL CONSUMPTION OF PRODUCTS: LINEAR METERS COVERED

310ML CARTRIDGE					600ML SAUSAGE		
Width \ Depth	5mm	6mm	7mm		5mm	6mm	7mm
5mm	15	12	10		30	24	20
8mm	9	7	6		19	15	13
10mm	7	6	5		15	12	10
12mm	6	5	4		13	10	8

Application rates show no wastage, this should be taken into account. This information is only to be used as a guideline, and is the best information at this time; the consumption above will alter with the experience of the applicator. Noting that, the table does NOT assume wastage due to typical application procedures.

PROPERTIES

Resistance to chemical agents:

Good resistance to fresh and salt water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis.

Poor resistance to aromatic solvents, concentrated acids, chlorinated hydrogens.

Clean up before cure: White spirit or surface cleaner immediately after application and before curing.

Clean up after cure: Mechanical removal once cured.

Tooling: with soapy solution before skin formation.

Repair: Repair any damages with **DeckFlex MSP100**.



IMPORTANT

The above listed information and prescriptions, corresponding to our knowledge and experience, are to be considered as an indicative advice and should be confirmed each time by practical applications.